=> FILE REG
FILE 'REGISTRY' ENTERED AT 16:31:26 ON 10 MAY 2005
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 9 MAY 2005   HIGHEST RN 850130-09-5
DICTIONARY FILE UPDATES: 9 MAY 2005   HIGHEST RN 850130-09-5

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

   Please note that search-term pricing does apply when
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****
*   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*   *
****

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> FILE HCAPLUS
FILE 'HCAPLUS' ENTERED AT 16:31:31 ON 10 MAY 2005
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FILE COVERS 1907 - 10 May 2005   VOL 142 ISS 20
FILE LAST UPDATED: 9 May 2005   (20050509/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

KATHLEEN FULLER   EIC 1700   REMSON 4B28   571/272-2505

```
=> D QUE
L10       42096 SEA FILE=REGISTRY ABB=ON   ((SI OR TI)(L)AL)/ELS(L)2-4/ELC.SUB
L11           1 SEA FILE=REGISTRY ABB=ON   SILICA/CN
L12           1 SEA FILE=REGISTRY ABB=ON   TITANIA/CN
L13      117345 SEA FILE=HCAPLUS ABB=ON    L10
L33           1 SEA FILE=REGISTRY ABB=ON   ALUMINUM/CN
L34      357152 SEA FILE=HCAPLUS ABB=ON    L33
L35       19633 SEA FILE=HCAPLUS ABB=ON    (AL OR ( L34 OR ALUMINUM/BI) )(5A)SUBS
                                           TRATE
L36       38157 SEA FILE=HCAPLUS ABB=ON    L13(L)(PEP OR FMU OR PREP)/RL
L40         508 SEA FILE=HCAPLUS ABB=ON    L35 AND L36
L41          54 SEA FILE=HCAPLUS ABB=ON    L40 AND INTERMETAL?
L43           9 SEA FILE=HCAPLUS ABB=ON    L41 AND (L11 OR L12 OR TIO2 OR SIO2
                                           OR SILICA OR TITANIA OR (TITANIUM OR SILICON)(W)?OXIDE)
L44          26 SEA FILE=HCAPLUS ABB=ON    L41 AND (ENERGY OR HEAT? OR IR OR
                                           INFRARED OR INFRA(W)RED OR LASER? OR (THERMAL OR PLASMA OR
                                           FLAME)(W)SPRAY?)
L45          11 SEA FILE=HCAPLUS ABB=ON    L40 AND INTERMETAL?(3A)?LAYER?
L46          37 SEA FILE=HCAPLUS ABB=ON    (L43 OR L44 OR L45)
L47        2746 SEA FILE=HCAPLUS ABB=ON    L35 AND (L11 OR L12 OR TIO2 OR SIO2
                                           OR SILICA OR TITANIA OR (TITANIUM OR SILICON)(W)?OXIDE)
L48           4 SEA FILE=HCAPLUS ABB=ON    L47 AND INTERMETAL?(3A)?LAYER?
L49           9 SEA FILE=HCAPLUS ABB=ON    L47 AND INTERMETAL?(3A)(?LAYER? OR
                                           PHASE? OR COATING?)
L50           1 SEA FILE=REGISTRY ABB=ON   ALUMINUM/CN
L51      357152 SEA FILE=HCAPLUS ABB=ON    L50
L52      213279 SEA FILE=HCAPLUS ABB=ON    (AL OR ( L51 OR ALUMINUM/BI) )(5A)ALLO
                                           Y?
L53        7692 SEA FILE=HCAPLUS ABB=ON    L52 AND (L11 OR L12 OR TIO2 OR SIO2
                                           OR SILICA OR TITANIA OR (TITANIUM OR SILICON)(W)?OXIDE)
L54          44 SEA FILE=HCAPLUS ABB=ON    L53 AND INTERMETAL?(3A)(?LAYER? OR
                                           PHASE? OR COATING?)
L55          12 SEA FILE=HCAPLUS ABB=ON    L54 AND (ENERGY OR HEAT? OR IR OR
                                           INFRARED OR INFRA(W)RED OR LASER? OR (THERMAL OR PLASMA OR
                                           FLAME OR ARC?)(W)SPRAY?)
L56          52 SEA FILE=HCAPLUS ABB=ON    L46 OR L48 OR L49 OR L55
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=>  D L56 BIB ABS IND HITSTR 1-52

L56   ANSWER 1 OF 52   HCAPLUS   COPYRIGHT 2005 ACS on STN
AN    2004:747412   HCAPLUS
DN    142:264887
TI    Influence of intermetallic phases in the Al-Ti system on the
      surface relief and sputtering of polycrystalline materials (Be, Al, Ti,
      Cu, Fe, W) under irradiation by ion beam with a wide energy
      spectrum
AU    Kalin, B. A.; Volkov, N. V.; Oleinikov, I. V.
CS    Mosk. Inzh.-Fiz. Inst. (Gos. Univ.), Moscow, Russia
SO    Poverkhnost (2004), (5), 29-32
      CODEN: PFKMDJ; ISSN: 0207-3528
PB    Nauka
DT    Journal
LA    Russian
AB    The possibility to increase the resistance to phys. sputtering of
      constructional materials Be, Al, Ti, Fe, Cu, W by implantation of their
      surface by Al and Ti atoms and formation of intermetallic
      compds. on their basis is studied.  The expts. on implantation of Al and
      Ti atoms in polycryst. substrates have revealed their deep penetration (up
      to 100 nm) into substrates under simultaneous irradiation of film-substrate
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